

Abstract

Method and apparatus for channel estimation in radio systems by MMSE-based
recursive filtering

A sequence of unfiltered channel estimation values x_k is determined in a method for calculation of filtered channel estimation values d_k in radio systems. A specific set of filter coefficients is selected from two or more filter coefficient sets, with the filter coefficients being calculated on the basis of the MMSE optimality criterion for a predetermined recursive digital filter (F). The sequence of unfiltered channel estimation values is then filtered by means of this recursive digital filter (F) using the selected filter coefficients.